

FIG.1

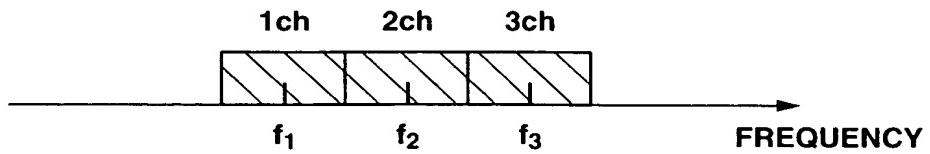


FIG.2

FIGURE 3

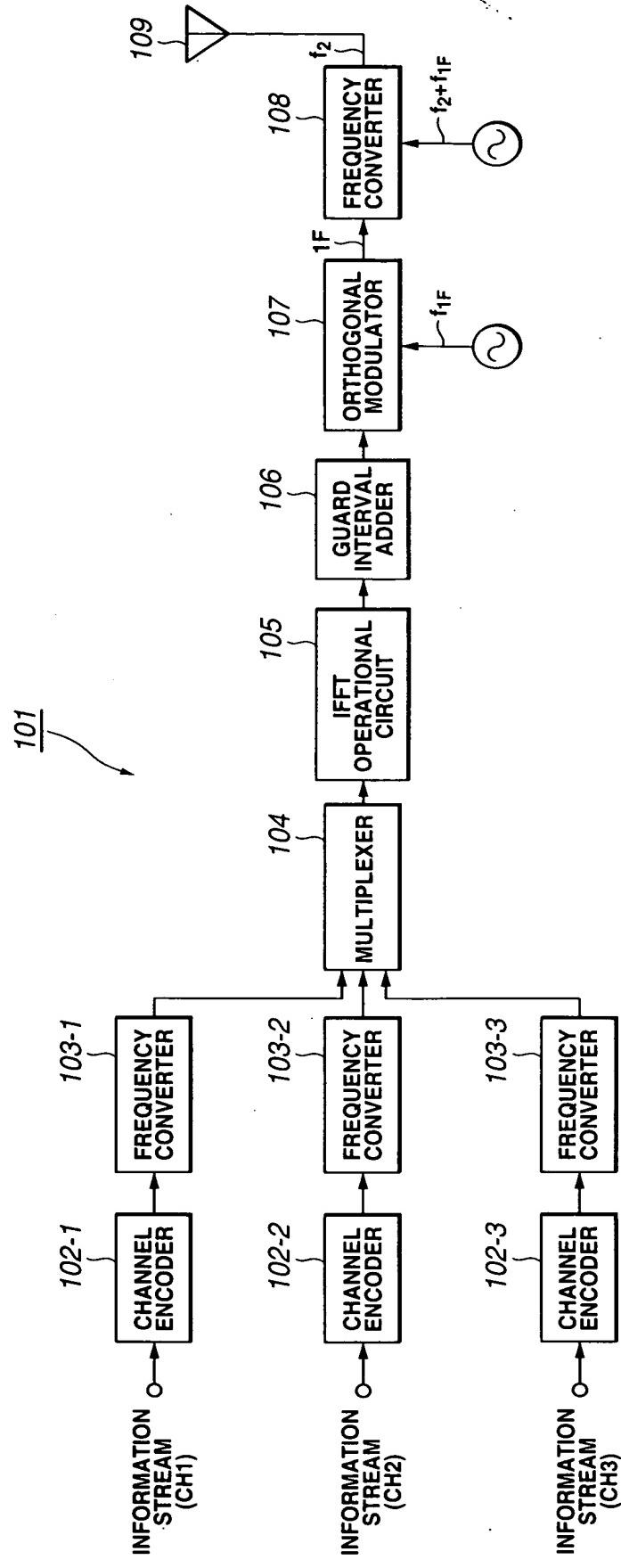


FIG.3

FOOTING = 2022-08-26 09

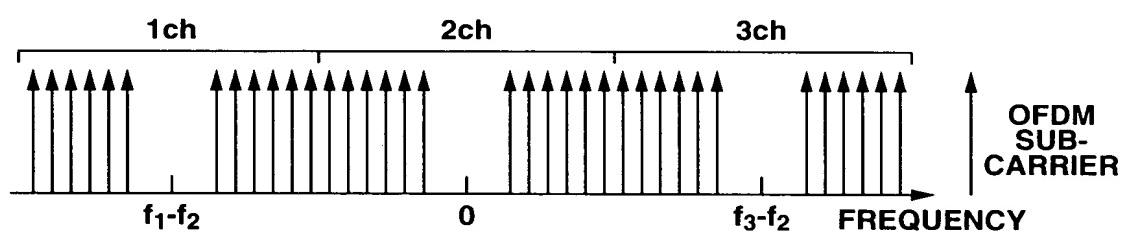


FIG.4

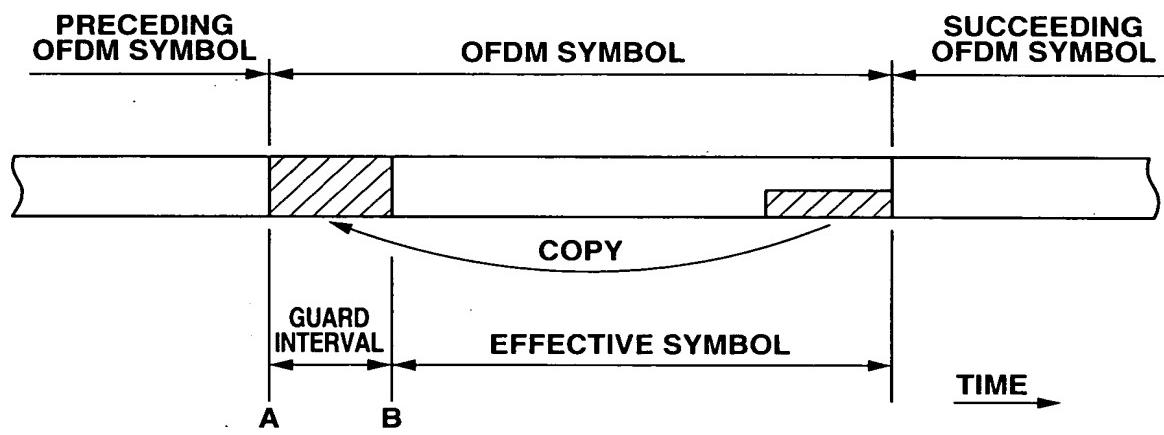


FIG.5

FIG.6

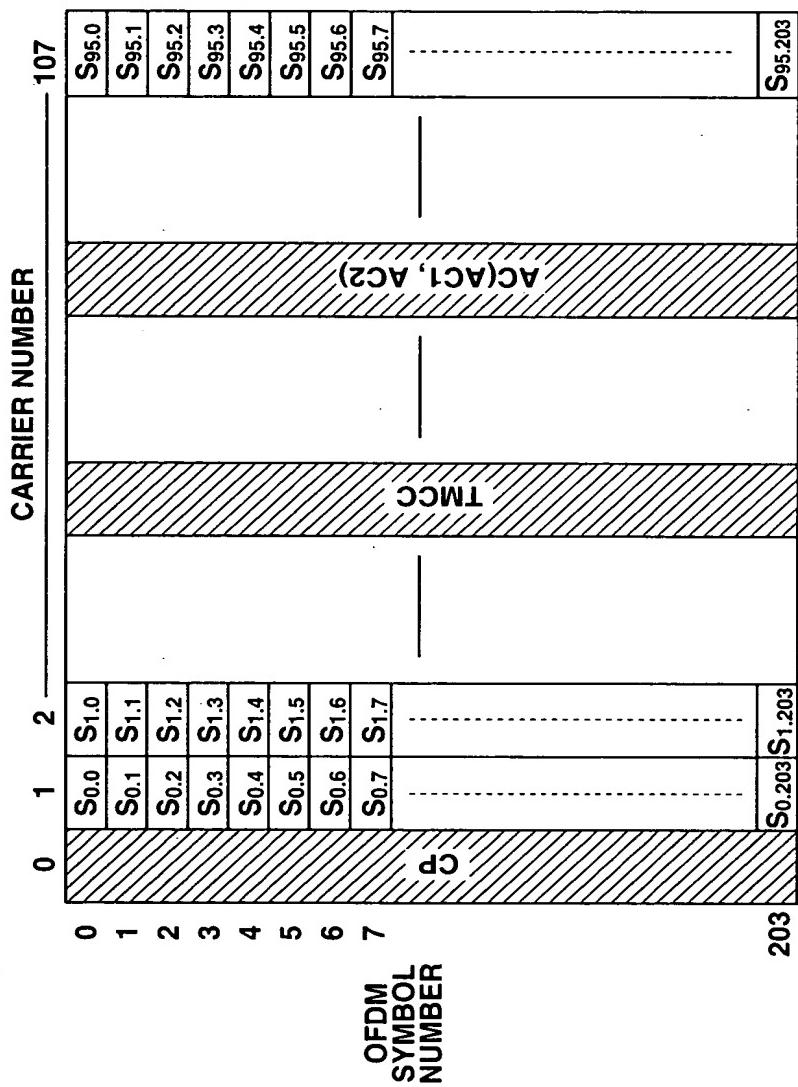
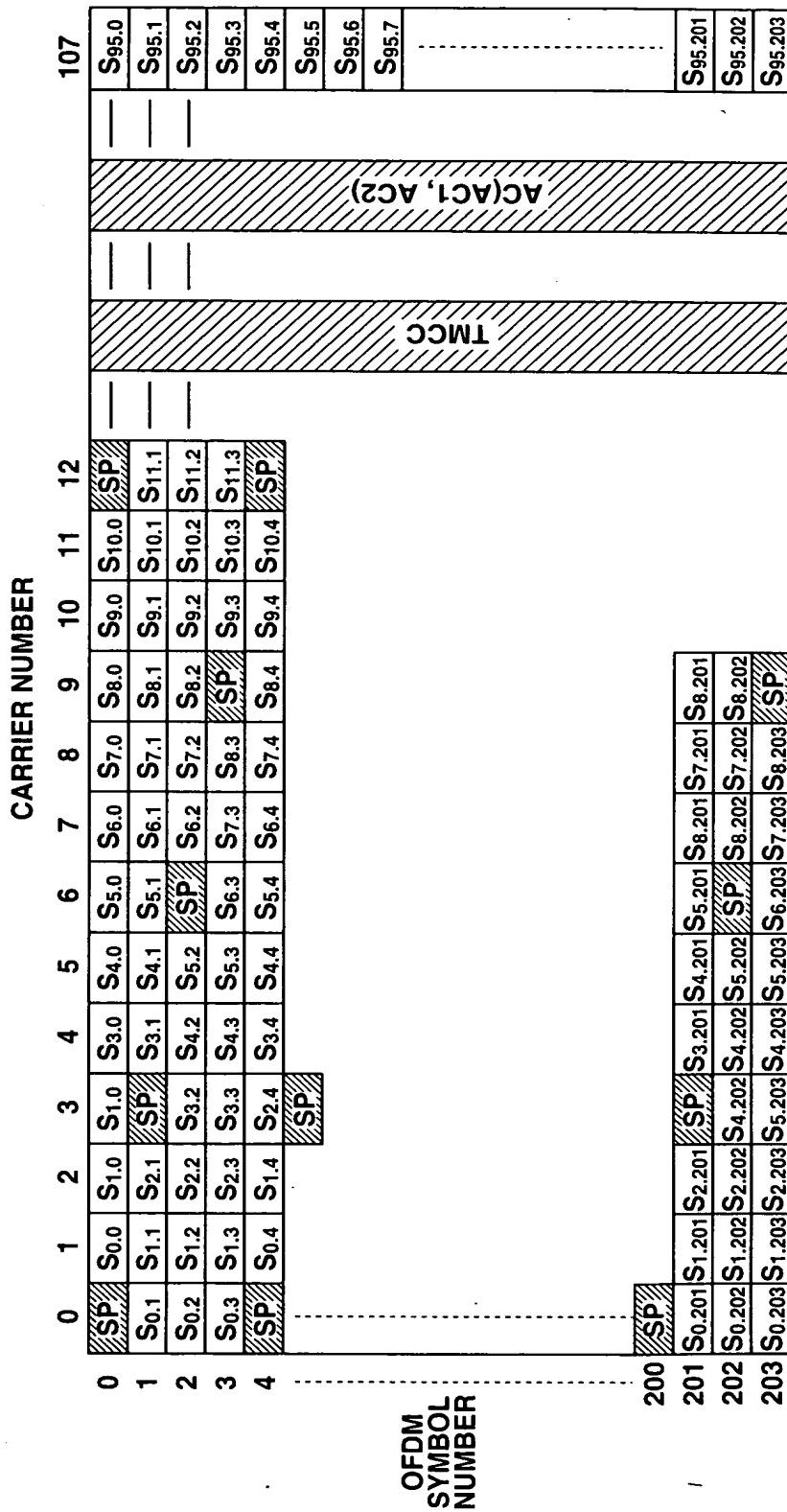


FIG.7



SEGMENT NO.	
CP	0
AC1_1	35
AC1_2	79
AC2_1	3
AC2_2	72
AC2_3	85
AC2_4	89
TMCC 1	49
TMCC 2	61
TMCC 3	96
TMCC 4	99
TMCC 5	104

FIG.8

CARRIER ARRANGEMENT OF TMCC AND AC OF SYNCHRONOUS MODULATOR

SEGMENT NO.	
AC1_1	35
AC1_2	79
TMCC 1	49

FIG.9

TOP SECRET//PLA//EYES ONLY

B₀	REFERENCE FOR DIFFERENTIAL DEMODULATION
B₀ ~ B₁₆	SYNCHRONIZING SIGNAL (W0=0011010111101110, W1=1100101000010001)
B₁₇ ~ B₁₉	IDENTIFICATION OF SEGMENT FORMAT (DIFFERENTIAL 111, SYNCHRONOUS 000)
B₂₀ ~ B₁₂₁	TMCC INFORMATION (102 BITS)
B₁₂₂ ~ B₂₀₃	PARITY BITS

FIG.10

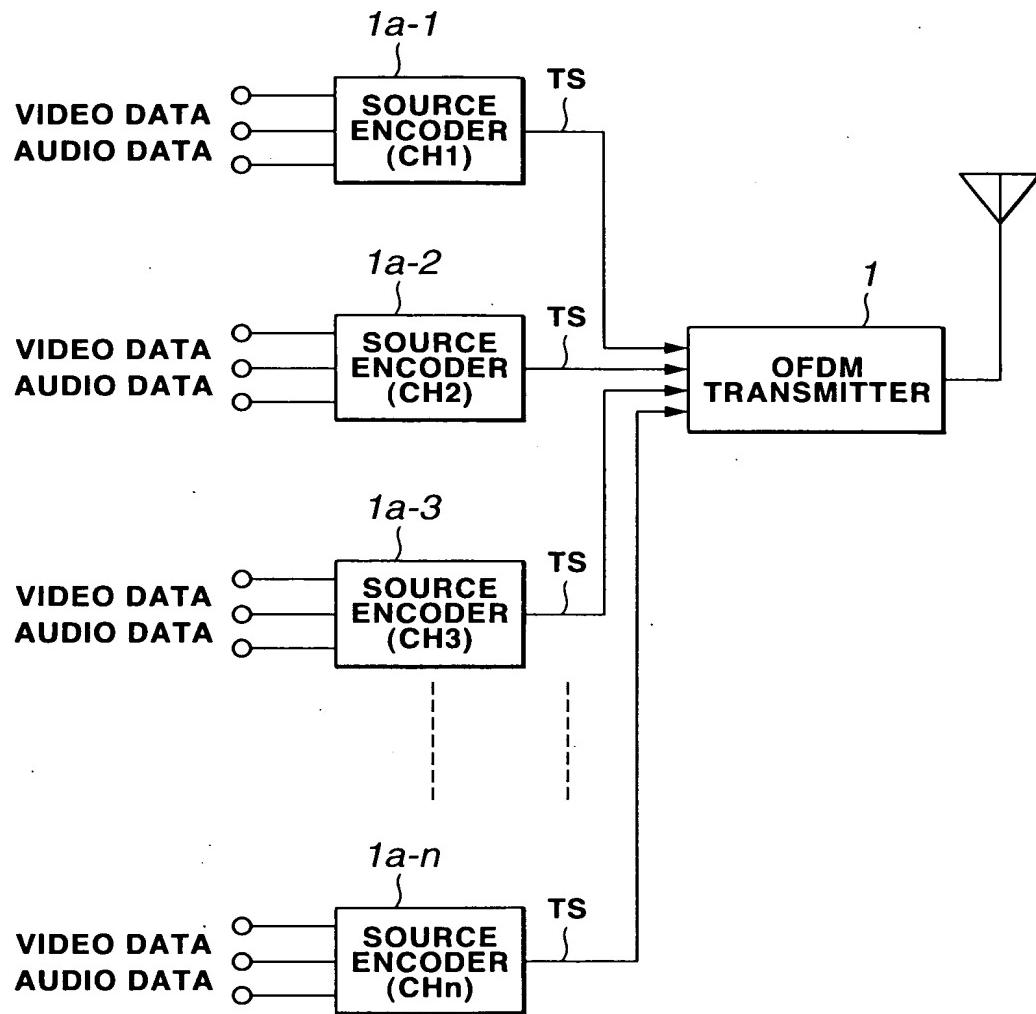


FIG.11

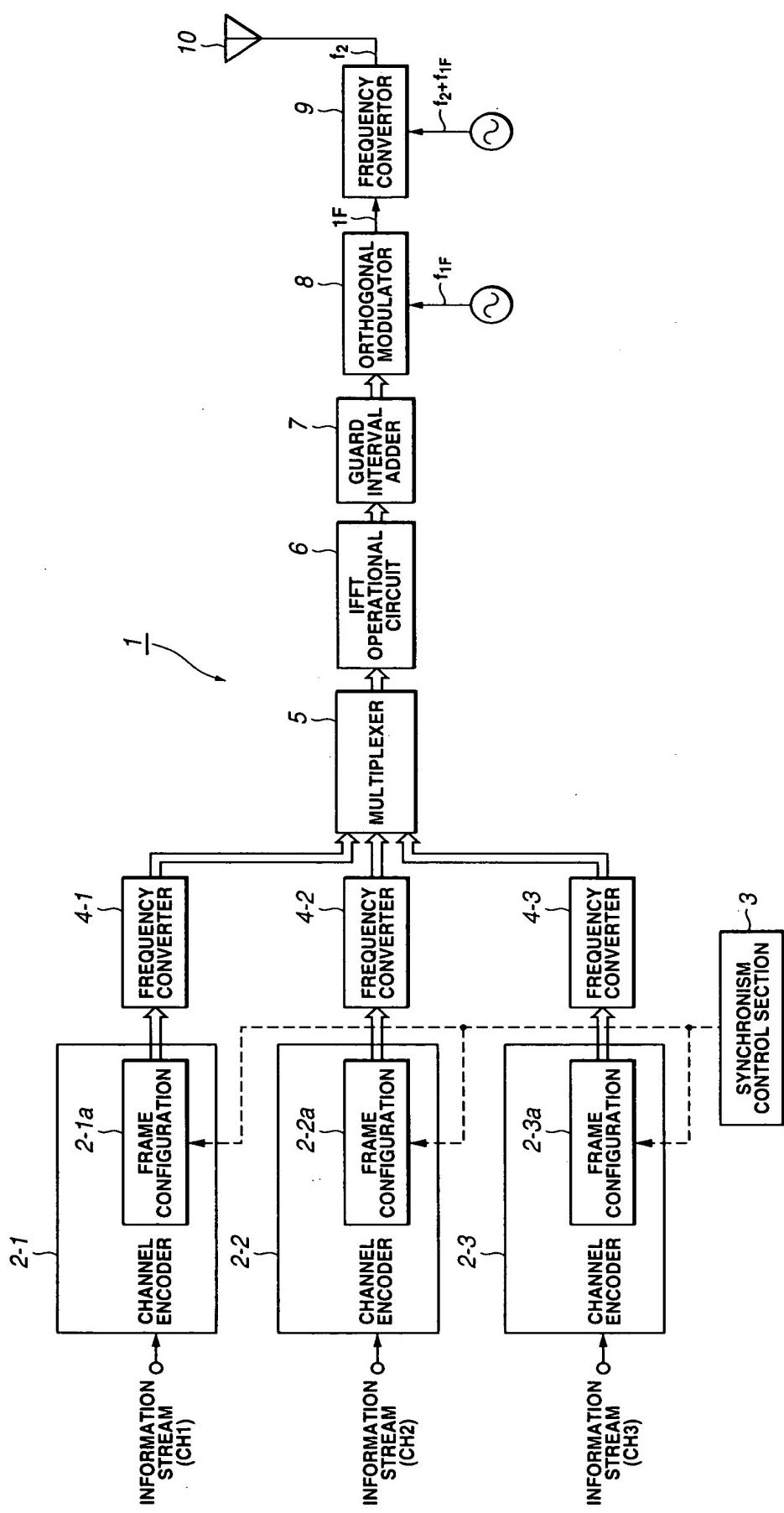


FIG.12

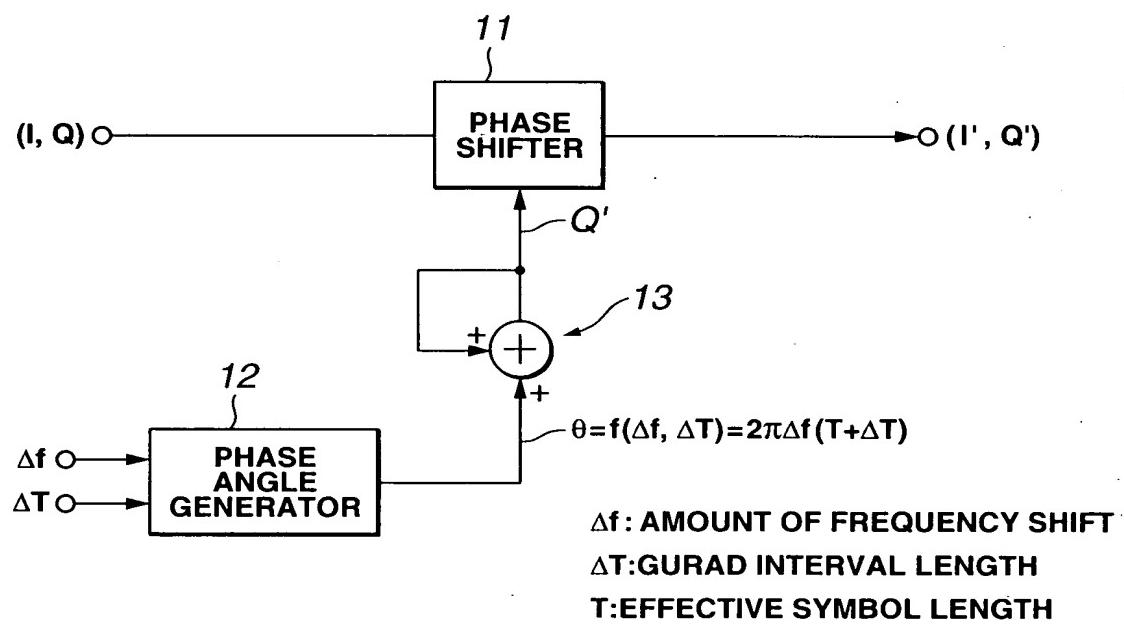


FIG.13

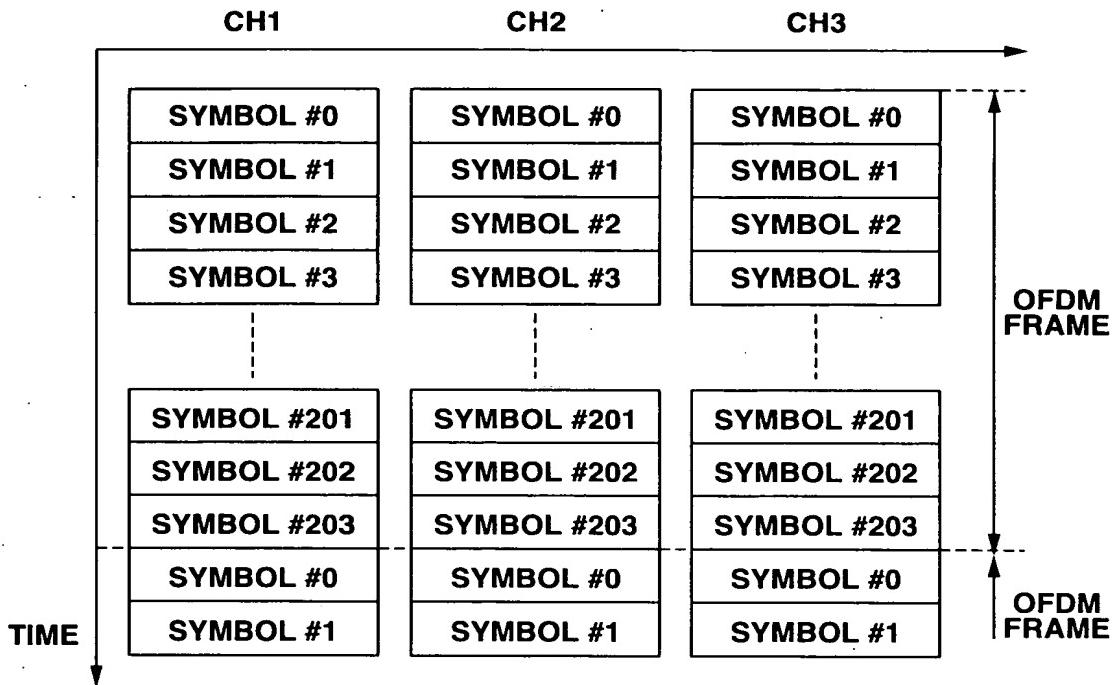


FIG.14

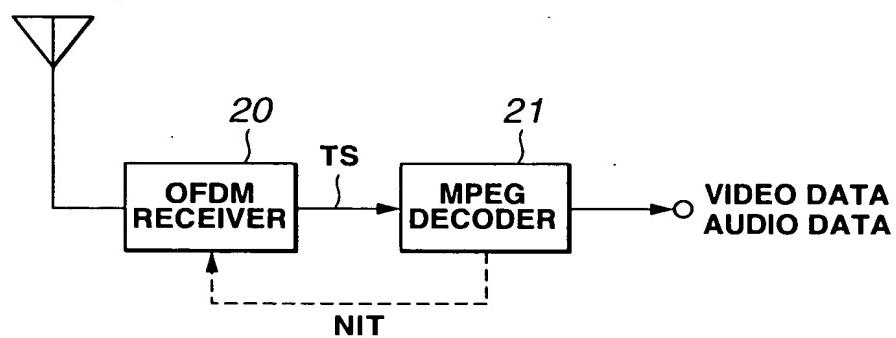
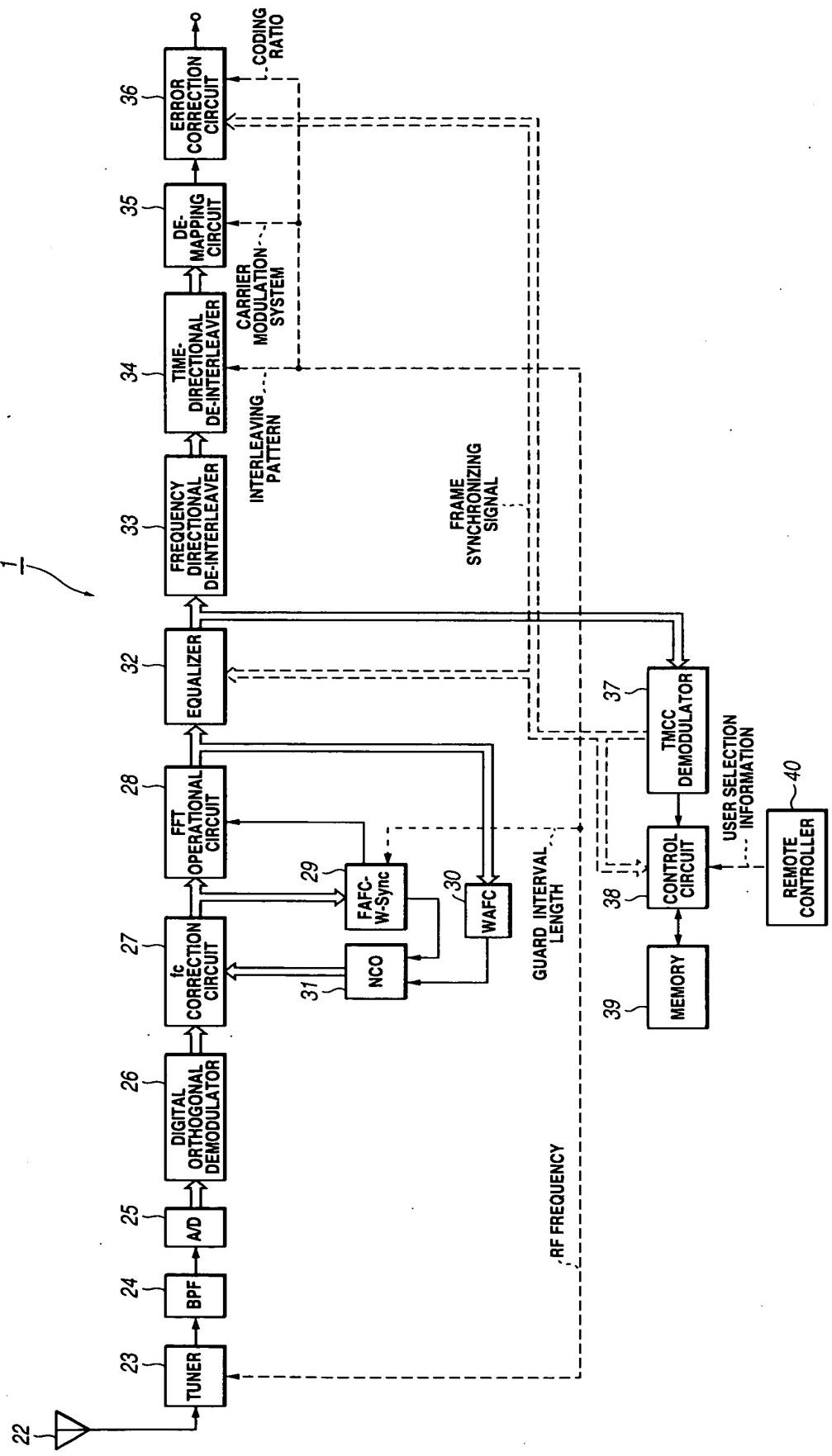


FIG.15

FIG.16



BIT ASSIGNMENT	EXPLANATION
$B_{110} \sim B_{113}$	NUMBER OF CONNECTED SEGMENTS
$B_{114} \sim B_{117}$	SEGMENT NO. OF SIGNAL TO BE TRANSMITTED

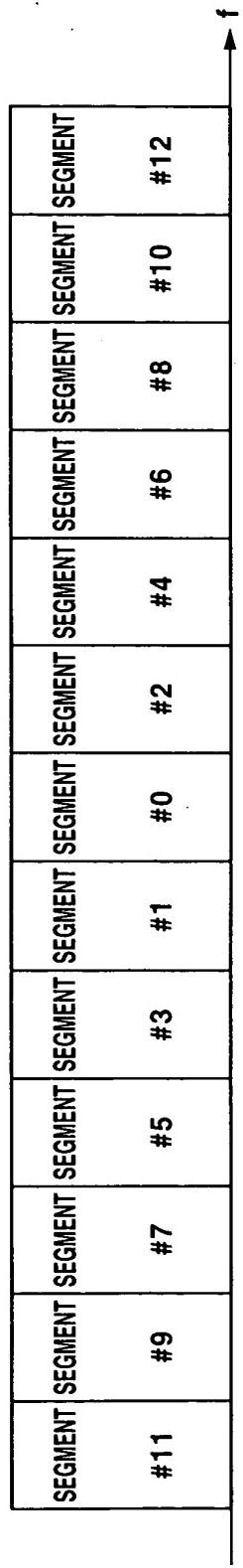
FIG.17

00000000000000000000000000000000

VALUE ($b_{113}, b_{112}, b_{111}, b_{110}$)	MEANING
0000	RESERVED
0001	RESERVED
0010	2 SEGMENTS
0011	3 SEGMENTS
0100	4 SEGMENTS
.	.
1100	12 SEGMENTS
1101	13 SEGMENTS
1110	RESERVED
1111	INDEPENDENT TRANSMISSION

FIG.18

FIG. 19



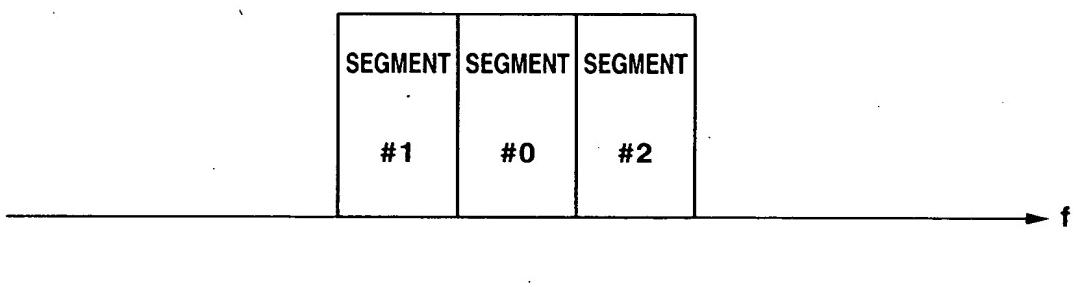


FIG.20

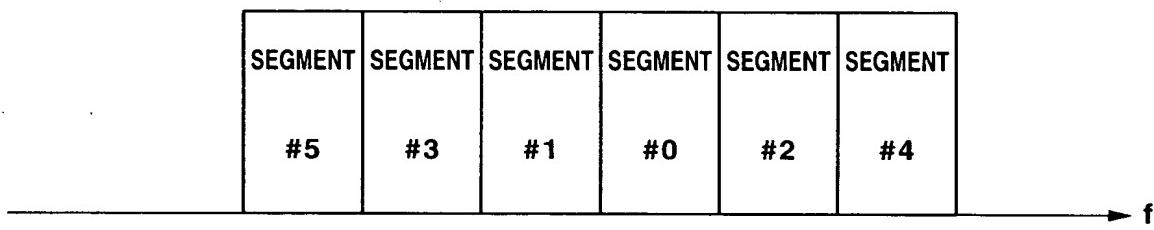


FIG.21

VALUE ($b_{117}, b_{116}, b_{115}, b_{114}$)	MEANING
1111	SEGMENT #0
1110	SEGMENT #1
1101	SEGMENT #2
.	.
0011	SEGMENT #12
0010	RESERVED
0001	RESERVED
0000	RESERVED

FIG.22

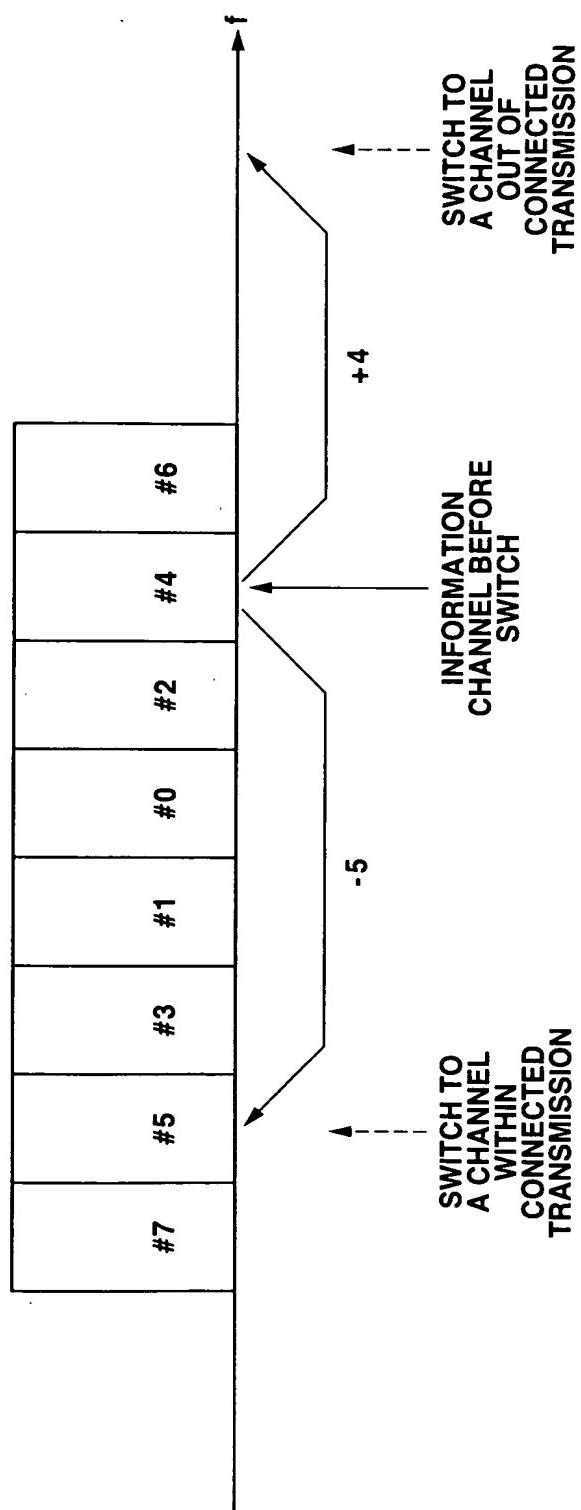


FIG.23

0000-0000-0000-0000

000	CONNECTED TRANSMISSION GROUP #0
001	CONNECTED TRANSMISSION GROUP #1
010	CONNECTED TRANSMISSION GROUP #2
011	CONNECTED TRANSMISSION GROUP #3
100	CONNECTED TRANSMISSION GROUP #4
101	CONNECTED TRANSMISSION GROUP #5
110	CONNECTED TRANSMISSION GROUP #6
111	INDEPENDENT TRANSMISSION

FIG.24

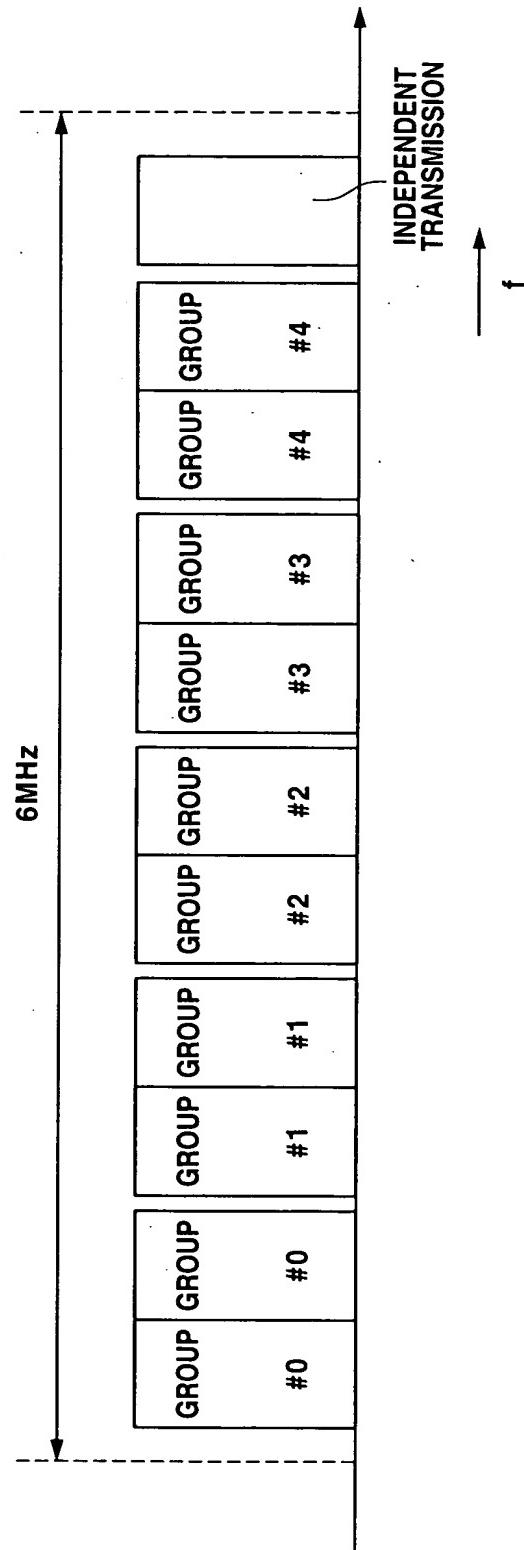


FIG.25